

RYABUSHKIN, P.I.

Device for the closing of apertures in the air test of automobile parts.
(MIRA 14:3)
Avt. prom. no.2:31 F '61.

1. Moskovskiy avtozavod imeni Likhacheva.
(Automobiles—Testing)

RYABUSHKIN, T.

Soviet economists in Japan. Vop. ekon. no.10:155-157 o '60.
(MIRA 13:9)

(Statistics—Congresses)
(Russia--Relations (General) with Japan)
(Japan--Relation (General) with Russia)

RYABUSHKIN, T.

"Methodological and Organizational Problems of a General Stock-Taking of Fixed Assets (N 3)."

report presented at the 32nd Meeting, International Statistical Institute, Tokyo, Japan, 30 May - 9 June 1960.

Dir., Statistical Dept., Inst. of Economics, Acad. of Sci., USSR, Moscow.

RYABUSHKIN, T.

Lenin and the Soviet statistics. Vop. ekon. no.4:82-92 Ap '60.

(MIRA 13:3)

(Russia--Statistics)

(Lenin, Vladimir Il'ich, 1870-1924)

RYABUSHKIN, T V

W/2
611.9
.R9

Sredniye v statistike (Averages in statistics) Moskva, Gosstatizdat, 1954.

158 p. diagrs., tables.

RYABUSHKIN, T.V.

International statistics in 1954. Uch.zap.po stat. 1:289-314
'55. (MIRA 9:11)

(Statistics)

RYABUSHKIN, T.V., kandidat ekonomicheskikh nauk.

Conference of statisticians of Asiatic and Far Eastern countries
in Thailand. Vest. AN SSSR 26 no.8:75-78 Ag '56. (MIRA 9:9)
(Bangkok--Statistics--Congresses)

RYABUSHKIN, T.V., kandidat ekonomiceskikh nauk.

At the conference of European statisticians. Vest. AN SSSR 26 no.11:
86-89 N 156. (MLRA 9:12)
(Geneva--Statistics--Congresses)

Name: RYABUSHKIN, Timon Vasil'yevich

Dissertation: Statistical methods of studying the
national economy as a whole

Degree: Doc Economic Sci

Affiliation: [not indicated]

Defense Date, Place: 12 Feb 57, Council of Inst of Economics,
Acad Sci USSR

Certification Date: 16 Nov 57

Source: BMVO 24/57

REBUSHKIN, TIKHON VASIL'YEVICH

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Statisticheskiye Metody Izucheniya Narodnogo Khozyaystva (Statistical Practices in
the Study of National Economy) Moskva, Gosstatizdat, 1957.
286 P. Tables.
Bibliographical Footnotes.

Ryabushkin, T.

2-5-2/11

AUTHOR: Ryabushkin, T.

TITLE: V.I. Lenin and Soviet Statistics (V.I. Lenin i sovetskaya statistika)

PERIODICAL: Vestnik Statistiki, 1957, # 5, p 10-20 (USSR)

ABSTRACT: The article belongs to the usual kind of official Soviet propaganda and consists mainly of citations from Lenin's works. The author's aim is to show Lenin as the founder of Soviet Statistic Science, who was the first to point out the class character of statistics and whose advice is directive and valid.

The main task of Soviet statistics is considered by Lenin to be the systematic study of Soviet National Economy as a whole and the working out of a system of indicators for evaluation of the Soviet National Economy.

Lenin also noted the necessity of close cooperation between the TsSU and all planning institutions. The TsSU should not only collect and work out statistical material, but it must deal also with detailed analysis and generalization of statistical data.

There are 3 Russian references.

AVAILABLE: Library of Congress
Card 1/1

Ryabushkin, T.V.

30-8-12/37

AUTHOR: Ryabushkin, T.V., Candidate of Economic Sciences

TITLE: On the Preparatory Work for a General Census of All Inhabitants
of the Earth (Podgotovka k vsemirnoy perepisi naseeleniya)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1957, Vol. 27, Nr 8, pp. 70-74 (USSR)

ABSTRACT: The idea of a global census cropped up soon after the end of World War II. Originally it had been planned that this project be carried out simultaneously, but for various reasons the time (1950) was found to be too early so that the plan could not be carried out. There followed individual censuses, (in countries with a well organized administration), 1950-51 the inhabitants of 39 states were counted. The most important event in this connection was the first census ever carried out in China (1953). On the basis of the data available the UNO experts computed the total number of the earth's inhabitants at being 2,7 billions. Various suggestions were submitted to the statistical commission of the UNO concerning a census to be carried out simultaneously. Therefore, the 9th session of this commission decided to begin with the global (simultaneous) counting in 1956. Counting will be completed in 1964 (if possible already 1960). There were dif-

Card 1/2

30-8-12/37

On the Preparatory Work for a General Census of All Inhabitants of the Earth

ficulties in connection with the program of the census, because the statistical interests of some nations differed considerably. The program was fixed definitely by the statistical commission of the UNO on February 25, 1957. This was preceded by numerous regional conferences. Among the most important data (figuring in the census) are: sex, age, mother tongue, schools visited, (or whether unable to read or write) position in family, profession, nationality, place of birth, and residence, in the case of women: number of birth. The experts and members of the commission of the USSR disagreed with many points of the program because they were bound to lead to wrong results.

AVAILABLE: Library of Congress

Card 2/2

NOVIKOV, V.S., otv.red.; RYABUSHKIN, T.V., red.; DZAPARIDZE, V.V., red.;
BAKLANOV, G.I., red.; MAKSIMOVA, V.N., red.; KUZNETSOVA, T.M.,
red.; USTIYANTS, V.A., red.

[Statistical methodology in the study of labor productivity in
the national economy of the U.S.S.R.; stenographic report of a
conference held December 24-26, 1956 (reports, speeches in
debate, and resolutions) Statisticheskaja metodologija izuchenija
proizvoditel'nosti truda v narodnom khozyaistve SSSR; steno-
gramma nauchnoj konferencii 24-26 dekabria 1956 g. (doklady,
vystupleniya v preniakh i resheniya). Moskva, Gos.stat.iud-vo,
(MIRA 12:3)
1958. 382 p.

1. Russia (1923- U.S.S.R.) TSentral'noye statisticheskoye
upravleniye.
(Labor productivity) (Statistics)

RYABUSHKIN, T.

"From the History of the Balance Sheet of the U.S.S.R. National Economy."

Paper submitted 31st Session International Statistical Inst, Brussels, 2-8 Sep '58.

RYABUSHKIN, Timon Vasil'yevich; NEMCHINOV, V.S., akademik, otv.red.;
BAKOVETSKAYA, V.S., red.izd-va; NOVICHKOVA, N.D., tekhn.red.

[Problems of economic statistics; an analysis of the national economy and the interaction of its elements] Problemy ekonomicheskoi statistiki; analiz strukturny narodnogo khoziaistva i vzaimosviazi ego elementov. Moskva, Izd-vo Akad.nauk SSSR, (MIRA 12:2) 1959. 375 p.

(Economics)

RYABUSHKIN, Timon Vasil'yevich

Statistical Methods For Studying the National Economy. New York,
U.S. Joint Publications Research Service, 1959.
5 Pts. in 3 v. Tables.

Translated From The Author's: Statisticheskiye Metody Izucheniya
Narodnogo Khozyaystva. Moscow, 1957.

VASIL'TSOV, V.D.; VOLODARSKIY, L.M.; VOLCHENKO, M.Ya.; GALETSKAYA, R.A.; IROV, N.I.; KARINYA, L.F.; KONOVALOV, Ye.A.; MATVIYEVSKAYA, E.D.; PETRESKU, M.I.; RUDAKOV, Ye.V.; SAYFULINA, L.M.; SKVORTSOVA, A.M.; SOKOLOVA, N.M.; SOTNIKOVA, I.A.; STOLPOV, N.D.; SURKO, Yu.V.; TEN, V.A.; TRIGUBENKO, M.Ye.; FIRSOVA, Yu.V.; SHABUNINA, V.I.; YUMIN, M.N.; RYABUSHKIN, T.V., doktor ekon. nauk, otd. red.; ALAMPIYEV, P.M., red.; PAK, G.V., red.; GERASIMOVA, D., tekhn.red.

[Economy of socialist countries, 1960-1962] Ekonomika stran sotsializma, 1960-1962gg. Moskva, Izd-vo "Ekonomika," 1964.
(MIRA 16:12)
261 p.

1. Akademiya nauk SSSR. Institut ekonomiki mirovoy sotsialisticheskoy sistemy.
(Communist countries--Economic conditions)

KVASHA, Yakov Bentsionovich; RYABUSHKIN, T.V., doktor ekon. nauk,
otv. red.; GLAZER, L.S., red.izd-va; GOLUB', S.P., tekhn.
nauk.

[Capital investments and assets of the U.S.S.R. and the
U.S.A.] Kapital'nye vlozheniya i osnovnye fondy SSSR i SShA.
Moskva, Izd-vo Akad.nauk SSSR, 1963. 261 p. (MIRA 16:4)
(United States--Capital investments) (Capital)
(Capital investments) (United States--Capital)

RYABUSHKIN, T. V.

reported at 34th International Statistical Institute, (ISI) Ottawa, Canada,
21-29 Aug '63

Title-- "Economic Statistics and National Planning."

GRACHEV, Nikolay Grigor'yevich; RYABUSHIN, T.V., doktor ekon. nauk,
otv. red.; RUBE, V.A., red.; SUSHKOVA, L.A., tekhn. red.

[Classifications and indices of industrial structure] Klas-
sifikatsii i pokazateli struktury promyshlennosti. Moskva,
Izd-vo AN SSSR, 1963. 121 p. (MIRA 16:10)
(United States--Industries--Classification)
(Russia--Industries--Classification)
(Germany, West--Industries--Classification)

SOROKIN, G.M.; OLEYNIK, I.P., doktor ekon. nauk; RYABUSHKIN, T.V., doktor ekon. nauk; DUDINSKIY, I.V., kand. ekon. nauk; MIROSHNICHENKO, B.P., kand. ekon. nauk; SERGEYEV, V.P., kand. ekon. nauk; TARNOVSKIY, O.I., kand. ekon. nauk; STOROZHEV, V.I., kand. ist. nauk; KONOVALOV, Ye.A., kand. ekon. nauk; GERTSOVICH, G.B., kand. ekon. nauk; POPOV, K.I., kand. ekon. nauk, red.; ZEVIN, L.Z., red.; NIKOLAYEV, D.N., red.; PAK, G.V., red.; GERASIMOVA, Ye.S., tekhn. red.

[The building of communism in the U.S.S.R. and cooperation among the socialist countries] Stroitel'stvo kommunizma v SSSR i sotrudnichestvo sotsialisticheskikh stran. Pod obshchei red. G.M. Sorokina. Moskva, Ekonomizdat, 1962. 334 p. (MIRA 16:2)

1. Akademiya nauk SSSR. Institut ekonomiki mirovoy sotsialisticheskoy sistemy. 2. Chlen-korrespondent Akademii nauk SSSR (for Sorokin).

(Communist countries--Foreign economic relations)

RYABUSHKIN, T.V., doktor ekonom. nauk, prof., nauchnyy red.; STUPOV,
A.D., kand. ekonom. nauk, nauchnyy red.; LEPNIKOVA, Yo., red.;
BESSEDOVA, N., mladshiy red.; MOSKVINA, R., tekhn. red.

[The economy of socialist countries in figures for 1961; consicie
statistics]Ekonomika stran sotsialisticheskogo lageria v tsifrakh,
1961 god; kratkii statisticheskii sbornik. Moskva, Sotsekgiz,
1962. 236 p.

(Communist countries—Statistics)

NIKITIN, Sergey Mikhaylovich; RYABUSHKIN, T.V., doktor ekonom. naik, prof.,
nauchnyy red.; SHENTSIS, Ye.M., red.; FYATAKOVA, N.D., tekhn. red.

[Criticism of the econometric theories of the "planning of a
capitalist economy"] Kritika ekonometricheskikh teorii "planirovaniia"
kapitalisticheskoi ekonomiki. Moskva, Gosstatizdat, 1962. 148 p.
(MIRA 15:6)

(Economics, Mathematical) (Economic policy)

LUKJN, Lev Ivanovich; OSTROUMOV, Valentin Sergeyevich; RYABUSHKIN, T.V.,
doktor ekon. nauk, prof., red.; GRYAZNOV, V.I., red.; VOLCHEK,
V.L., tekhn. red.

[Organization of statistics in foreign countries] Organizatsiia sta-
tistiki v zarubezhnykh stranakh. Pod red. T.V.Riabushkina. Moskva,
Gosstatizdat, Tssu SSSR, 1961. 245 p. (MIRA 14:12)
(statistics)

RYABUSHKIN, T. V.

"A COMPARISON BETWEEN THE SYSTEM OF INDEXES OF THE BALANCE
SHEET OF THE NATIONAL ECONOMY AND THE SYSTEM OF NATIONAL ACCOUNTS"

Report submitted to the Soviet Bloc Presentations at the
33rd Session of the International Statistical Institute
Pertaining to Economical Statistical Processes.
Paris, France 29 Aug. - 7 Sep 61

BRONER, David L'vovich; RYABUSHKIN, T.V., red.; YEZHOOVA, L.L., tekhn.
red.

[Modern problems in housing; economic and statistical analysis]
Sovremennoye problemy zhilishchnogó khoziaistva opyt ekonomiki
statisticheskogo analiza. Moskva, Ges. izd-vo "Vysshiaia shkola,"
1961. 263 p. (Housing) (MIRA 14:10)

VAYNSHTEYN, Al'bert L'vovich; RYABUSHKIN, T.V., red.; GRYAZNOV, V.I..
red.; PYATAKOVA, N.D., ~~tekhn.~~ red.

[National wealth and accumulation in prerevolutionary Russia;
statistical study] Narodnoe bogatstvo i narodnokhoziaistvennoe
nakoplenie predrevoliutsionnoi Rossii; statisticheskoe issledo-
vanie. S predisl. S.G.Strumilina. Moskva, Gosstatizdat TsSU
SSSR, 1960. 482 p. (MIHA 13:8)

(Wealth) (Income)

NOVIKOV, V.S., prof., otv.red.; FREYMUNDT, Ye.N., dotsent, zam.otv.red.;
RYABUSHKIN, T.V., prof., red.; EYDEL'MAN, M.R., kand.ekon.nauk,
red.; MALYY, I.G., dotsent, red.; VASHENTSOVA, V.M., dotsent,
red.; ZAYTSKVA, N.V., kand.ekon.nauk; SHENTSIS, Ye.M., red.;
KAPRALOVA, A.A., tekhn.red.

[Problems in the balance of the economy of a Union Republic;
concise stenographic record of an academic conference, January
25-27, 1960] Problemy balansa narodnogo khoziaistva soiuznoi
respubliki; sokrashchennaya stenogramma nauchnoi konferentsii
25-27 Ianvaria 1960 g. Moskva, Gosstatizdat, TsSU SSSR, 1960.
(MIRA 14:3)
118 p.

1. Moscow. Ekonomiko-statisticheskiy institut. 2. Moskovskiy
ekonomiko-statisticheskiy institut (for Novikov, Freymundt).
3. Institut ekonomiki Akademii nauk SSSR (for Ryabushkin).
4. TSentral'noye statisticheskoye upravleniye SSSR (for Eydel'man).
5. Moskovskiy gosudarstvennyy ekonomicheskiy institut (for Malyy).
(Russia--Economic policy) (Russia--Statistics)

DEMAKOVA, A.V.; RYABUSHKIN, Yu.P.; TARASOVA, L.P.; TROFIMOVA, K.G.; PEREVERZEEVA,
Ye.G.

Structure of the metal in welded joints in MSt.3 arsenical steel.
(MIRA 14:5)
Avtom. svar. 14 no.5:11-19 My '61.

1. Zhdanovskiy metallurgicheskiy institut (for Demakova, Ryabushkin).
2. Zhdanovskiy zavod "Azovstal'" (for Tarasova). 3. Zhdanovskiy
zavod tyazhelogo mashinostroyeniya (for Trofimova, Pereverzeva).
(Steel--Welding) (Welding--Testing)

69660

S/180/60/000/02/016/028

E111/E152

18.1250

AUTHORS: Kornilov, I.I., Pryakhina, L.I., and Ryabtsev, L.A.
(Moscow)

TITLE: Properties of Multi-Component Nickel Solid Solutions

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh
nauk, Metallurgiya i toplivo, 1960, Nr 2, pp 110-114 (USSR)ABSTRACT: Kornilov has already shown (Refs 1 and 2) that the
ability of elements to form solid solutions and inter-
metallic compounds with nickel depends on the relative
positions of these elements in the Periodic Table.
A number of multi-component nickel solid solutions were
synthesized for that work (the crystal-lattice type,
atomic diameter and solubility in nickel are tabulated).
In the present work the equilibria and some physico-
chemical properties of solid solutions in the following
systems were studied: 0, Ni-Al; I, Ni-Cr-Al;
II, Ni-Cr-Ti-Al; III, Ni-Cr-Ti-W-Al; IV, Ni-Cr-Ti-W-
Mo-Al; V, Ni-Cr-Ti-W-Mo-Nb-Al; VI, Ni-Cr-Ti-W-Mo-Nb-
Co-Al. In each system one section with 0-12% Al and a
constant quantity of other elements, except nickel, was
studied: 10 wt.% Cr, 2 of Ti, 6 of W, 3 of Mo, 2 of Nb,Card
1/3

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E111/E152

Properties of Multi-Component Nickel Solid Solutions

5 of Co. The fusion diagrams for these systems were studied, the Al solubility limit being determined by microstructure, X-ray, hardness and electrical resistivity methods. The results for each system are plotted against wt.% aluminium in Fig 1. Fig 2 shows microstructures of one- and two-phase systems after hardening from 1200 °C. The lattice parameters for the solid solutions at 1200 °C as functions of aluminium content are shown in Fig 3. The resistivity of alloys after annealing and their hardness after hardening from 1200 °C are shown as functions of aluminium content in Figs 4 and 5, respectively. In this work the limiting concentrations of the elements were determined and the nature of the excess phases established. The degree of strain in the solid-solution crystal lattice increases with increasing difference between atomic diameters of the introduced element and of nickel. In order of decreasing lattice-disturbing effect the elements are Nb, W, Ti, Mo, Cr and Co. The hardness of nickel solid solutions could be increased considerably by ✓

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E111/E152

Properties of Multi-Component Nickel Solid Solutions

multi-component alloying with those elements which
increase the state of strain of its lattice.

There are 5 figures, 1 table and 2 Soviet references.

SUBMITTED: June 24, 1959

Card 3/3

Ryabushkin, T.V.

2-1-5/9

AUTHOR: Nemchinov, V., Academician; Ptukha, M., Corresponding Member of the USSR Academy of Sciences, and Ryabushkin, T.V.

TITLE: The Thirtieth Session of the International Institute of Statistics (30-ya sessiya mezhdunarodnogo statisticheskogo instituta)

PERIODICAL: Vestnik Statistiki, 1958, # 1, p 56-62 (USSR)

ABSTRACT: The article deals with the International Statistical Conference from the 8th to 15th August 1957 in Stockholm, Sweden. The authors give an unbiased review of the conference.

The International Statistical Institute has 382 members, two of them, Professor M.V. Ptukha, Associate Member of the USSR Academy of Sciences and T.V. Ryabushkin, leading the statistical sector of the Institute of Economics attached to the USSR Academy of Sciences, are from the USSR. The following socialist countries were represented: USSR, Czechoslovakia, Poland, Rumania, Hungary, Bulgaria and Yugoslavia.

During the conference proceedings 128 scientific lectures were given, 14 of them by socialist scientists from the USSR, Czechoslovakia, Poland, Bulgaria and Yugoslavia. The Soviet

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2-1-5/9

The Thirtieth Session of the International Institute of Statistics

scientists delivered 3 lectures on "The Balance Method in Economical Statistics" (V.S. Nemchinov), "Theory and Practice of the Index Method in the USSR" (T.V. Ryabushkin) and "The Method of Carrying out the Census in the USSR" (M.V. Ptukha).

Discussing matters of mathematical statistics the names of the Academicians A.N. Kolmogorov, S.N. Bernshteyn and of Professor A.Ya. Khinchin were repeatedly mentioned.

The announcement of M.V. Ptukha that the USSR will take part in the world census was accepted with great interest.

AVAILABLE: Library of Congress

Card 2/2

KHARKHURIN, V.S.; RYABUSHKIN, V.F.

Using the permanent electric supply source of the building under construction for the construction work. Stroi.prom. 33 no.12:
(MLRA 9:3)
37 D '55.

1. Yuzhelektromontazh.
(Building) (Electric power distribution)

KLIMENKO, V.L.; RUDKOVSKIY, D.M.; RYABUKHOVA, S.F.

Methods of preparing higher aliphatic alcohols ($C_7 - C_{10}$) and
their technological and economic evaluation. Khim.prom. no.1:8-10
Ja '62. (MIRA 15:1)

(Alcohols)

S/139/62/000/001/014/032
EO32/E114

3.1400

AUTHOR: Ryabushko, A.P.

TITLE:

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy,
Fizika, no. 1, 1962, 88-97

TEXT: In a previous paper the author made use of Einstein's gravitational equations and Maxwell's equations to derive the first non-Newtonian approximation for the translational and rotational motion of a system of n spherically symmetric rotating bodies carrying electric charges and possessing magnetic moments. The present work is concerned with a study of the mechanics of these equations. In view of the well known difficulties associated with the general problem of celestial mechanics, the discussion is confined to the case of two bodies having angular momenta and magnetic moments to be charged but the masses are arbitrary (but constant).
Card 1/2

On the motion of bodies carrying...

S/139/62/000/001/014/032
E032/E114

The results obtained are in complete agreement with those reported earlier by other authors. However, the introduction of terms which are bilinear in σ and of a number of electro-magnetic terms leads to more general results and certain new secular effects for which explicit expressions are derived. The latter effects were discussed previously by the author and I.Z. Fisher (Ref.10: ZhETF, v.34, 1958, 1189) and by the author (Ref.11: ZhETF, v.33, 1957, 1387).

ASSOCIATION: Belorusskiy gosuniversitet imeni V.I. Lenina
(Byelorussian State University imeni V.I. Lenin)

SUBMITTED: November 10, 1960

Card 2/2

ACCESSION NR: AP4042566

S/0056/64/046/006/2046/2048

AUTHOR: Ryabushko, A. P.

TITLE: Centrally-symmetrical Einstein spaces and the Birkhoff theorem

SOURCE: Zh. eksper. i teor. fiz., v. 46, no. 6, 1964, 2046-2048

TOPIC TAGS: relativity theory; metric space

ABSTRACT: It is shown that the generally accepted formulation of Birkhoff's theorem (G. D. Birkhoff, Relativity and Modern Physics, Harvard University Press, 1923, Chapter 15) is not exact. In particular, attention is drawn to examples of Einstein's spaces whose metric satisfies the equation $R_{ik} = 0$ ($i, k = 0, 1, 2, 3$), possesses spherical symmetry, and depends on the time coordinate, but which cannot in any manner be reduced to the static Schwarzschild space by any transformation of the coordinates permissible in the general theory of relativity. Such Einstein spaces do not possess any non-

Card 1/2

ACCESSION NR: AP4042566

removable singularities of the Schwarzschild type (at $R = 0$) and are equivalent only to a part of the Schwarzschild space. A more precise formulation of the Birkhoff theorem is given: if we consider as permissible discontinuous and mutually nonunique transformations of coordinates, then any centrally-symmetric Einstein space whose metric satisfies the condition $R_{ik} = 0$ is equivalent to the Schwarzschild field or to a part of this field. Other published critical analyses of Birkhoff's theorem are discussed briefly. Orig. art. has: 8 formulas.

ASSOCIATION: Belorusskiy gosudarstvennyy universitet (Belorussian State University)

SUBMITTED: 11Jun63

DATE ACQ:

ENCL: 00

SUB CODE: GP

NR REF SOV: 004

OTHER: 008

Card 2/2

ACCESSION NR: AP4020301

S/0139/64/000/001/0088/0092

AUTHOR: Ryabushko, A. P.

TITLE: Certain centrally-symmetric Einstein spaces

SOURCE: IVUZ. Fizika, no. 1, 1964, 88-92

TOPIC TAGS: Einstein space, centrally-symmetric Einstein space, centrally-symmetric metric solution, Einstein gravitation equation, centrally-symmetric metric, metric tensor, curvature tensor, Riemann space-time, Minkovsky space

ABSTRACT: The author finds a metric of the form

$$ds^2 = dt^2 - dl^2, \quad dl^2 = c^2 dr^2 + r^2(d\theta^2 + \sin^2 \theta d\varphi^2). \quad (1)$$

subject to

$$R_{jkl}^i = 0, \quad P_{jkl}^i \neq 0; \quad \text{or} \quad (2)$$

$$R_{jkl}^i \neq 0, \quad P_{jkl}^i = 0, \quad R_{ik} = 0. \quad (3)$$

In case 1 he finds a three-dimensional Riemann space embedded in a Minkovsky space,

Cat4/2

ACCESSION NR: AP40203M

and in case 2, a Riemann space-time in which is embedded a three-dimensional Euclidean space. Both cases furnish examples of unique Einstein spaces. The finding of such solutions is not very complicated. Orig. art. has: 22 formulas.

ASSOCIATION: Belorusskiy gosuniversitet imeni V. I. Lenina (Byelorussian State University)

SUBMITTED: 22Oct62

DATE ACQ: 31Mar64

ENCL: 00

SUB CODE: PH

NO REF Sov: 002

OTHER: 004

Car2/2

RYABUSHKO, A.P.

Equations of motion for rotating bodies, having charges and
magnetic moments, in the general theory of relativity. Izv.
vys. ucheb. zav.; fiz no.6:3-13 '61. (MIRA 15:1)

1. Belorusskiy gosuniversitet imeni Lenina.
(Rotating bodies)
(Relativity (Physics))

RYABUSHKO, A.P.

Certain centrally symmetrical Einstein spaces. Izv. vys. ucheb.
zav.; fiz. no.1:88-92 '64. (MIRA 17:3)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina.

RYABUSHKO, A.P.

Motion of bodies bearing charges and possessing their own rotations
and magnetic moments in the general theory of relativity. Izv.vys.
ucheb.zav.; fiz. no.1:88-97 '62. (MIRA 15:6)

1. Belorusskiy gosudarstvennyy universitet imeni V.I. Lenina.
(Relativity (Physics))
(Dynamics of a particle)

GUSAK, Aleksey Adamovich; NAKHIMOVSKAYA, Anna Natanovna; RYABUSHKO,
Anton Petrovich; TUTAYEV, Leonid Kondrat'yevich, dots.;
FEDENKO, Anatoliy Semenovich; VEREVKINA, N.M., red.;
KISLYAKOVA, M.N., tekhn. red.

[Problems in differential geometry] Sbornik zadach po differentsial'noi geometrii. Minsk, Izd-vo M-va vysshego, srednego spetsial'nogo i professional'nogo obrazovaniia BSSR, 1963. 106 p. (MIRA 16:10)

(Geometry, Differential--Problems, exercises, etc.)

RYABUSHKO, A.P.; FISHER, I.Z.

General theory of relativity applied to the motion of rotating
masses. [with summary in English]. Zhur. eksp. i teor. fiz. 34
no.5:1189-1194 My '58. (MIRA 11:6)

1. Belorusskiy gosudarstvennyy universitet.
(Relativity (Physics)) (Mechanics, Celestial)

RYABUSHKO, A. P., Cand Phys-Math Sci--(disc) "Equations of motion and
the motion of rotating symmetrical masses in the general ^{theory of} ~~relativity~~."
Belorusian University
Kharkov Linsk, 1958. 7 pp (Min of Higher Education USSR. ~~State~~ State
U im V.I. Lenin. Phys-Math Faculty), 130 copies. Bibliography at
end of text (27 titles) (KL,25-58,107)

-18-

RYABUSHKO, A.P.

56-6-11/47

AUTHOR: Ryabushko, A. P.

TITLE: On the Equations of Motion of Rotating Masses in the General Theory
of Relativity (Ob uravneniyakh dvizheniya vrashchayushchikhsya mass v
obshchey teorii otnositel'nosti)PERIODICAL: Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1957, Vol. 33,
Nr 6 (12), pp. 1387 - 1395 (USSR)

ABSTRACT: The aim of the present paper is to derive the non-Newtonian equations of the progressive and the rotating motion for rotating spherically symmetric bodies of infinitely small dimensions by the approximation method worked out by Einstein's school. The paper by Infeld (reference 10) serves as a starting point. The author here proceeds from the well-known equations of gravitation

$$R^{\alpha\beta} - (1/2)g^{\alpha\beta}R = -8\pi T^{\alpha\beta}$$
, the gravitation constant γ and the velocity of light c being put equal to one. In this connection the problem of the motion of a system of n gravitating particles is investigated, on which occasion the world lines of the bodies are not supposed to intersect. The equations of the progressive motion are derived from the relation $T^{\alpha\beta} dv = 0$ by means of a method of approximation. The character of the method of approximation depends

Card 1/3

56-6-11/47

On the Equation of Motion of Rotating Masses in the General Theory of Relativity

essentially on the parameter of development. Selecting this parameter is discussed. Next, Γ_{μ}^{ν} for rotating bodies is derived. For the derivation of the equations of motion it is necessary to know the matrix in a corresponding approximation, i.e. it is necessary to derive h^{00} , h^{ik} , h^{0i} , h^{ij} from Einstein's field equations. Knowing h^{00} , h^{ik} and h^{0i} is sufficient in order to be able to derive the equations of third, fourth, and fifth order of the progressive motion and the equation of forth order of rotational motion. In the (Newton's) approximation investigated here the characteristic angular momentum of each spherically symmetric body is considered separately, which was also to be expected. Derivation of the equations of motion of 6th order makes it necessary to know h^{00} .

For the equation of 6th order of the progressive motion explicit expressions are given. The means at the disposal of the author are also fully sufficient in order to be able to derive equations of the rotational motion of 6th order. The relativity equations of the rotational motion obtained here and written down contain two groups of essentially different terms. One of the groups describes the "spin-orbit-interaction" and the other "spin-spin-interaction" of the bodies. The existence of such an interaction changes the total characteristic angular momentum of the bodies already in the

Card 2/3

56-6-11/47

On the Equation of Motion of Rotating Masses in the General Theory of Relativity

approximation following Newton's approximation. In conclusion the author makes sure that the equations obtained here are not in contradiction to known results. There are 17 references, 4 of which are Slavic.

ASSOCIATION: Belorussian State University
(Belorusskiy gosudarstvennyy universitet)

SUBMITTED: March 24, 1957 (initially), and September 30, 1957 (after revision)

AVAILABLE: Library of Congress

Card 3/3

AUTHORS:

Ryabushko, A. P., Fisher, I. Z.

SOV/ 56-34-5-19/61

TITLE:

On the Motion of Rotating Masses in the General Theory of Relativity (O dvizhanii vrashchayushchikhsya mass v obshchey teorii otносitel'nosti)

PERIODICAL:

Zhurnal eksperimental'noy i teoreticheskoy fiziki, 1958,
Vol. 34, Nr 5, pp. 1189-1194 (USSR)

ABSTRACT:

In an earlier paper A. P. Ryabushko (ref 1) (using Einstein's gravitation equations) derived equations for the translation and rotation of spherically symmetric equations. This paper investigates the solutions of these equations. Because of the well-known difficulties of the general problem of celestial mechanics they are confined to the investigation of the two-body problem. These two bodies are regarded as equally important, they may have masses of the same order of magnitude and both of them may have a proper rotation. The authors at first investigate the rotation of the bodies in an approximation that is by one degree higher than the Newton approximation. In this case integrable equations are obtained. The absolute values of the vectors of the eigenmoments remain constant.

Card 1 of 3

SOV/c-5A-5-19/61

On the Motion of Rotating Masses in the General Theory of Relativity

The moment Σ of one body carries out a pure precession. A formula for the precession period is given. The consideration of the bilinear members of the above mentioned equations would lead to a weak disturbance of this pure precession. The next section of this paper investigated the influence of the proper rotation of bodies on the orbital momentum. If the bodies have a proper rotation, the orbital momentum obtains secular deviations from its Newton (Nyuton) value. This secular perturbation of the orbital momentum lies within the plane of the Newton (Nyuton) orbit. This perturbation, therefore, may be reduced to a secular rotation of the orbital momentum vector and also to a secular deviation of the orbit from its Newton (Nyuton) position. A formula is given for the angle of this deviation. Then the special case $m_b \ll m_a$ (m_a and m_b denote the masses of the two bodies) is investigated. In the last two sections the perihelium rotation and the motion of the Newton (Nyuton) center of gravity are calculated. There are 9 references, 6 of which are Soviet.

Card 2/3

56-34-5-19/61

On the Motion of Rotating Masses in the General Theory of Relativity

ASSOCIATION: Belorusskiy gosudarstvennyy universitet
(Belorussian State University)

SUBMITTED: November 29, 1957

1. Relativity theory 2. Bodies of resolution--Motion
3. Mathematics--Applications

Card 3/3

RYABUSHKO, A.P.

Central-symmetric Einstein spaces and the Birkhoff theorem.
Zhur.ekp.i teor.fiz. 46 no.6:2046-2048 Ja '64.

1. Belorusskiy gosudarstvennyy universitet.

(MIA 17:10)

RYABUSHKO, G. V.

USSR / Cultivated Plants! Cercals.

M

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 34657

Authors : Artyukhov, I. K.; Zolotov, V. I.; Ryabushko, G. V.

Inst : Academy of Sciences USSR (Kiev)

Title : Effectiveness of Organic and Mineral Fertilizers in Basic and Cluster Applications to Corn and Sunflowers.

Orig Pub : V. sb.: Mestn. organ. udobreniya USSR, Kiev, AN USSR, 1957, 76-86.

Abstract : No abstract.

Card 1/1

ARTYUKHOV, I.K., kand. sel'skokhozyaystvennykh nauk; RYABUSHKO, G.V.

Increasing the effect of mineral and organic fertilizers on sunflowers
in the steppe zone of the Ukrainian S.S.R. Agrobiologija no.2:95-100
Mr-Apr '58. (MIRA 11:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kukuruzы, Dnepropetrovsk.
(Ukraine—Sunflowers) (Fertilizers and manures)

KUDELYA, Ye.S.; RYABUSHKO, O.P.

Spectral determination of hydrogen in certain metal alloys and
weld joints. Avtom. svar. 11 no.5:12-17 My '58. (MIRA 11:6)

1. Ordona Trudovogo Krasnogo Znameni Institut elektrosvarki im.
Ye.O. Patona AM USSR.
(Metals—Hydrogen content) (Alloys—Spectra)

PILIPENKO, A.T.; RYABUSHKO, O.P.

Use of thiols in analysis. Part 1: Acid properties of
2,3- β,γ -dimercaptopropylmercaptoethanesulfonic and
2,3- β,γ -dimercaptohydroxyethanesulfonic acid and their
~~long~~-period stability. Ukr.khim.zbir. 28 no.8:955-959
'62. (MIRA 15:11)

1. Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.
(Ethanesulfonic acid)
(Thiols)

DEM'YANCHUK, A. S., RYABUSHKO, O. P.

Spectral analysis of aluminum and nickel alloys. Inzh.-fiz.
zhus. no.4:111-114 Ap '60. (MIRA 13:8)

1. Institut elektrosvarki im. Ye.O.Patona, Kiyev.
(Aluminum alloys--Spectra) (Nickel alloys--Spectra)

KUDELYA, Ye.S.; RYABUSHKO, O.P.

Spectrum analysis of copper coatings. Avtom.svar. 13
no.7:92-94 Jl '60. (MIRA 13:7)
(Copper--Spectra) (Copper plating)

SOV/125-12-6-12/14

AUTHORS: Dem'yanchuk, A.S., Candidate of Technical Sciences and
Ryabushko, O.P., Engineer

TITLE: Quantitative Identification of Boron by Spectrum in
Welded Joints and High Resistance Welding

PERIODICAL: Avtomaticheskaya svarka, 1959, Vol 12, Nr 6 (75)
pp 89-90 (USSR)

ABSTRACT: The author presents a method to analyze boron by spectrum in welded joints, which has been described by him in an other article (Ref 1). He states, that for this method the spark generator IG-2 can be used. The corresponding switching is described by the author in (Ref. 2). This method is used extensively in the laboratories of Institut elektrosvarki imeni Ye.O.Patona (Institute of Electric Welding imeni Ye.O. Paton). There are 2 Soviet references

ASSOCIATION: Ordena trudovogo krasnogo znameni institut elektro-
Card 1/2

SOV/125-12-6-12/14

Quantitative Identification of Boron by Spectrum in Welded Joints
and High Resistance Welding

svarki imeni Ye.O.Patona AN USSR (Institute of Electric
Welding imeni Ye.O. Paton AS UkrSSR of the Order of the
Red Banner of Labor).

SUBMITTED: February 20, 1959

Card 2/2

DEM'YANCHUK, A.S., kand. tekhn. nauk; RYABUSHKO, O.P., inzh.

Spectrum analysis of high-silicon aluminum alloys and welded joints.
(MIRA 11:12)
Avtom. svar. 11 no.11:86-89.0 '58.

1. Ordena Trudovego Krasnogo Znameni Institut elektrosvarki
im. Ye.O. Patona AN USSR.
(Aluminum alloys--Spectra)
(Electric welding--Testing)

SOV-125-58-10-11/12

AUTHORS:

Demyanchuk, A.S. and Ryabushko, O.P.

TITLE:

Spectral Analysis of High-Silicon Aluminum Alloys and
Weld Joints (Spektral'nyy analiz vysokokremnistykh
alyuminiyevykh splavov i svarynykh shvov)

PERIODICAL:

Avtomacheskaya svarka, 1958, Nr 10, pp 86 - 89 (USSR)

ABSTRACT:

Information is presented on a method of spectral analysis to determine the amount of basic alloying admixtures in high-silicon aluminum alloys and weld joints with excitation of the spectrum by high frequency discharge. It was stated that a high silicon content (6 - 15 %) did not affect the results of determining other admixtures. The spectral analysis of aluminum alloys of different chemical composition is possible with the use of a unique standard system. The error factor in the suggested method did not exceed $\pm 4\%$ for all elements contained in the analyzed specimen.

Card 1/2

Spectral Analysis of High-Silicon Aluminum Alloys and Weld Joints SOV-125-58-10-11/12

There are 3 graphs, 1 table and 5 Soviet references.

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona (Institute of Electric Welding imeni Ye.O. Paton)

SUBMITTED: June 16, 1958

1. Aluminum alloys--Welding 2. Aluminum alloys--Spectrographic analysis
3. Welds--Spectrographic analysis 4. High frequency discharges

Card 2/2

SOV/125-59-3-9/13

18(7),25(5)

AUTHOR:

Dem'yanchuk, A.S., Ryabushko, O.P.

TITLE:

Spectral Analysis of Welding Seams on Magnesium-Aluminum Alloys (Spektral'nyy analiz svarynykh shvov na alyuminiyevo-magniyevykh splavakh)

PERIODICAL:

Avtomicheskaya svarka, 1959, Vol 12, Nr 3, pp 69-73
(USSR)

ABSTRACT:

The influence of the material of the electrodes on the results of analysis as well as the influence of thermic treatment (e.g. welding) and of the alloyed components with the aluminum-magnesium alloy AMg 6 were tested. Fig. 1 shows the comparison of graphite (1), copper (2), and aluminum (3) electrodes. It is evident that a graphite-electrode, because of the highest intensity of the spectral lines, is the best one. The experimental results (Tab. 1) show that the influence of magnesium on aluminum and the influence of iron on aluminum as well as different temperatures (max. 500°C) do not cause chemical changes in the composition of the alloy AMg 6. The

Card 1/2

SOV/125-59 -3-9/13

Spectral Analysis of Welding Seams on Magnesium-Aluminum Alloys

spectroscopic results are, compared with the chemical analysis, within the limit of error. There are 5 graphs, 3 tables and 1 Soviet reference.

ASSOCIATION: Ordena trudovogo krasnogo znameni institut elektrosvarki im. Ye. O. Patona AN USSR (Order of the Red Banner of Labor Institute for Electro-Welding im. Ye. O. Paton, AS UkrSSR)

SUBMITTED: November 11, 1958

Card 2/2

18(7)

AUTHOR:

SOV/125-12-4-12/18
Demyanchuk, A.S., Candidate of Technical Sciences,
Plotnitskiy, V.M. and Ryabushko, O.P., Engineers

TITLE:

New Possibilities to Use the Generator IG-2 for
Spectrum Analysis of High Steels and Weldings

PERIODICAL:

Avtomatischekaya svarka, 1959, Vol 12, Nr 4, pp 89-91
(USSR)

ABSTRACT:

The authors show a new set up for the generator IG-2 (Figure 1). An additional resistance is placed in series to the analytic interspace. The bypass-condenser is parallel to the analytic interspace. This increases the energy of the spark discharge. Within the generator there is no changing necessary. Ya.P. Bel'kevich Ref 27 warned against the use of generator IG-2 for an analysis of lead and brass, because the lead-lines appeared very poor. Even with long expositions (8-10 minutes) the spectrum line of a sample with 2% lead was too poor to be measured.

Card 1/2

SOV/125-12-4-12/18

New Possibilities to Use the Generator IG-2 for Spectrum Analysis
of High Alloyed Steels and Weldings

There are 3 graphs, 1 circuit diagram and 2 Soviet
references.

ASSOCIATION: Ordena trudovogo krasnogo znamene institute elektro-
svarki im. V.O. Patona AN USSR (Institute of the
Order of the Red Banner of Labor for Electric Welding
imeni V.O. Paton, AS UkrSSR)

: January 21, 1959

Card 2/2

18 (2, 3, 5), 24 (7)

SOV/125-59-11-15/22

AUTHORS: Dem'yanchuk, A.S., Candidate of Technical Sciences,
and Ryabushko, O.P., Engineer

TITLE: Spectrum Analysis of Welded Joints of Duralumin Type
Alloys

PERIODICAL: Avtomaticheskaya svarka, 1959, Nr 11, pp 90-92 (USSR)

ABSTRACT: As a source of energy for obtaining spectrum, a high-frequency spark generator was used. The effect of treatment by sparking on the main duralumin alloying components - copper, magnesium and silicon - is shown in Fig 1. The influence of magnesium and copper on the results of spectral determination of manganese and silicon is illustrated in Fig 2. Duralumin, Type D-16, was researched; its chemical composition after being heat-treated in three different ways is shown in Table 1. Analytic pairs of lines for welded joints are given in Table 2. References are made to the previous works in this field: [1] Ye. S. Kudelya and A.S. Dem'yanchuk "Spectrum Analysis of Welded Joints of Some Copper

Card 1/2

SOV/125-59-11-15/22

Spectrum Analysis of Welded Joints of Duralumin Type Alloys

and Aluminum Alloys"; ✓27 Authors of this article
"Spectrum Analysis of High-Silicon Aluminum Alloys and
Welded Joints"; ✓37 K.A. Sukhenko "Spectrum Analysis
of Steels and Alloys". There are 2 graphs, 2 tables
and 3 Soviet references.

ASSOCIATION: Ordena Trudovogo Krasnogo Znameni Institut elektro-
svarki imeni Ye.O. Patona AN USSR (Order of the Red
Banner of Labor Institute of Electric Welding imeni
Ye.O. Paton AS UkrSSR)

Card 2/2

KUDELYA, Ye. S.; RYABUSHKO, O.P.

Some characteristics of the spectral determination of hydrogen in
metallic alloys. Trudy kom.anal.khim. 10:183-189 '60.
(MIRA 13:8)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im.
Ye.O. Patona AN USSR.
(Metals--Hydrogen content)
(Hydrogen--Analysis)

KUDELYA, G.P.

KUDELYA, Ye.S.; DEM'YANCHUK, A.S.; RYABUSHKO, O.P.

Local spectrum analysis of weld joints and metal alloys. Avtom. svar.
10 no.5:49-55 S-0 '57. (MIRA 10:12)

1. Ordona Trudovogo Krasnogo Znameni Institut elektrosvarki im. Ye.O.
Patona AN USSR.
(Spectrum analysis)

KUDELYA, Ye.S.; RYABUSHKO, O.P.

Hydrogen determination in titanium by the spectrum method.
Avtom.svar. 10 no.6:95-98 N-D '57. (MIRA 11:1)

1.Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki im.
Ye. O. Patona AN USSR.
(Titanium alloys--Spectra)
(Gases in metals)

Ryabushko, O.P.

AUTHORS:

Kudelya, Ye.S., and Ryabushko, O.P.

125-58-5-2/13

TITLE:

The Spectrum Method for Determining Hydrogen in Some Metal Alloys and Welds (Spektral'noye opredeleniye vodoroda v nekotorykh metallicheskikh splavakh i svarnykh shvakh)

PERIODICAL:

Avtomacheskaya Svarka, 1958, Nr 5, pp 12-17 (USSR)

ABSTRACT:

The fundamentals of the method for determining hydrogen in titanium alloys, and of the impulse generator for the excitation of spectrum were described by the authors in a previous study [Ref. 1]. In this article, they give details of their method for determining hydrogen in chrome-nickel steel and welds, and define more precisely the method of hydrogen determination in titanium alloys and welds. The peculiarities of the hydrogen transition from metal into the electric discharge plasma were studied in experiments with prolonged impulse discharges on a single site, in an argon as well as in an air medium. The accuracy of measurements corresponds to the accuracy of the hydrogen determination by heating in a vacuum. The results are more easily reproduced than with any other known method. The sensitivity of hydrogen determination in steel was found to be 20 times higher than

Card 1/2

125-58-5-2/13

The Spectrum Method for Determining Hydrogen in Some Metal Alloys and Welds

in titanium alloys. The method is suitable for local determination of hydrogen in separate metal layers. Its importance for investigations of hydrogen distribution in welded joints is stressed, particularly for determining the hydrogen content in the zone-of-fusion of the weld and the base metal. There are 5 figures, 4 tables, and 1 Soviet reference.

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona AN UkrSSR
(Electric Welding Institute imeni Ye.O. Paton of the AS UkrSSR)

SUBMITTED: December 20, 1957

AVAILABLE: Library of Congress

Card 2/2

RYABUSHKO, O. P.

USSR/ Chemistry - Analysis methods

Card 1/1 Pub. 43 - 59/97

Authors : Kudelya, E. S.; Demyanchuk, A. S.; and Ryabushko, O. P.

Title : Determination of phosphorus in steel and stannous-phosphorous bronzes by means of a styloscope

Periodical : Izv. AN SSSR. Ser. fiz. 18/2, page 279, Mar-Apr 1954

Abstract : A method was developed for styloscopic determination of phosphorus in steel and in stannous-phosphorous bronzes. The accuracy of the method varies between 0.02 and 0.03% in the case of steel and 0.05 to 1.0% in the case of bronze.

Institution : Academy of Sciences Ukr-SSR, The E. O. Paton Electrical Welding Institute

Submitted :

RYABUSHKO, P. D.

Name: RYABUSHKO, P. D.

Dissertation: Perennial grasses in the sugar beet rotation system in the southwest Ukrainian forest-steppe zone west of the Dnieper

Degree: Cand Agr Sci

Defended at
Affiliation: Min Agriculture USSR, Khar'kov Order of Labor Red Banner Agricultural Inst imeni V. V. Dokuchayev

Publication
Defense Date, Place: 1956, Khar'kov

Source: Knizhnaya Letopis', No 48, 1956

RYABUSHKO, P.D.

Effect of bare fallow on the seed yield of monospermous sugar beets and
on their reproductive ability. Sakh. prom. 35 no. 5:46-48 My '61.
(MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sakharnoy sverkly.
(Sugar beets)

Ryabushko, P.D.

USSR/Cultivated Plants - General Problems.

L-1

Abs Jour : Ref Zhur - Biologiya, No 16, 25 Aug 1957, 69185

Author : Ryabushko, P.D.

Inst :

Title : The Role of Perennial Grasses on Increase of Yield of
Beet Plants in Rotation Sowing.

Orig Pub : Zemledelie, 1956, No 11, 42-48

Abstract : No abstract.

Card 1/1

PICHIKIN, A.G.; RYABUSHKO, P.D.

Reasons for the loss of winter wheat and some means of avoiding
it. Zemledelie 4 no.10:49-54 O '56. (MIRA 9:11)
(Wheat) (Plants, Effect of temperature on)

RYABUSHKO, P.D.

Role of perennials in increasing yields in sugar beet crop rotations. Zemledelie 4 no.11:42-48 N '56. (MLRA 10:2)

(Rotation of crops) (Perennials)

ONITSEV, P.I.; RYABUSHKO, Ye.O.

Action of folliculin and octestrol on the coronary vessels of
the heart. Trudy Ukr.nauch.-issl.inst.eksper.endok. 18:328-
332 '61. (MIRA 16:1)

1. Iz ottdela farmakoterapii Ukrainskogo instituta eksperimen-
tal'noy endokrinologii.
(ESTROGENS) (CORONARY VESSELS)

IVABUSHKO, T.A.

Lecithinase activity of actinomycetes, producers of antibiotics.
Dokl. AN BSSR 9 no.7:480-482 Jl '65. (MIRA 18:9)

1. Belorusskiy gosudarstvennyy universitet imeni V.I.Lenina.

L 62500-65 EWA(j)/EWT(1)/EWA(b)-2 RO

ACCESSION NR: AP5019327

UR/0250/65/001/007/0480/0482

AUTHOR: Ryabushko, T. A.

TITLE: Lecithinase activity of actinomycetes producers of antibiotics

SOURCE: AN BSSR. Doklady, v. 9, no. 7, 1965, 480-482

TOPIC TAGS: enzyme, antibiotic, phosphorus

ABSTRACT: The author studied lecithinase activity in 140 strains of actinomycetes antagonists, including some producers of antibiotics, isolated from various soils in the city of Minsk and from the water and ooze of lakes. Following a study of the cultural, morphological, and biochemical properties, the cultures were classified as globisporine, brown-green, chromogenic, white-blue, etc. All the strains of the chromogenic group were found to be able to split choline from the lecithin molecule and substantially increase the content of acid-soluble phosphorus. This phenomenon can be ascribed to the action of lecithinase C and D, except in the case of strains 968, 968_j, and 310₁, which yielded a negative lyceto-vitelline reaction and split choline from the lecithin molecule. The insignificant increase in acid-soluble phosphorus may be due to the breakdown of phosphoric acid - a secondary product

Card 1/2

L 62500-65		
ACCESSION NR: AP5019327		
after the splitting of choline from the lecithin molecule. These strains, judging by the specific nature of the antagonism, constitute a subgroup in this group. The brown-green group is also characterized by the presence of lecithinase C and D. However, it can be readily differentiated from the above group by the absence of a cinnamon-brown pigment, which all the strains of the chromogenic group release and which is absent in the brown-green group. The globisporine group differs from the other two in having lecithinase D. The slight increase in phosphorus is caused by the breakdown of phosphoric acid. Orig. art. has: 1 figure, 1 table.		
ASSOCIATION: Beloruskiy gosudarstvennyy universitet im. V. I. Lenina (Belorussian State University)		
SUBMITTED: 29Jun64	ENCL: 00	SUB CODE: LS
NO REF Sov: 001	OTHER: 003	
<i>mb</i> Card 2/2		

RYABUSHKO, T.A.; VECHER, A.S.

Proteolytic activity of actinomycetes. Prikl. biokhim. i
mikrobiol. 1 no. 6:645-652 N-D '65. (MIRA 18:12)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina.
Submitted April 23, 1965.

RYABUSHKO, T.A.; VECHEV, A.S.

Amylolytic activity of *Actinomyces eureofaciens* LSE-2201
in the process of production. Dokl. AN BSSR 9 no. 58333-336
Mys '65 (MIHA 1961)

1. Belorusskiy gosudarstvennyy universitet imeni V.I. Lenina i
Institut eksperimental'noy botaniki i mikrobiologii AN BSSR.
Submitted February 4, 1963.

VECHER, A.V.; KYABUSHKO, T.A.

Degradative activity of actinomycetes. Prikl. biokhim. i mikrobiol.
1 no.3:269-273 My-Je '65. (MIRA 18;7)

1. Belorusskiy gosudarstvennyy universitet imeni Lenina.

USSR/Human and Animal Physiology - Internal Secretion.
Hypophysis.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 12933

Author : Ryabushko, Ye.O.

Inst : ~~-----~~

Title : Importance of Sympathetic Impulses on Regulation of
Prolectin Formation in the Hypophysis

Orig Pub : Probl. endokrinol. i gormonoterapii, 1957, 3, № 5,
82-88

Abstract : 10 days after removal of the upper cervical sympathetic
nodes (UCSN) in rabbits the prolactin content of the
pituitary gland (determined in pigeons) was increased,
after 20 - 45 days it was below normal, and after 90
days it was within normal levels. With chronic stimu-
lation of the UCSN (winding them with silver wire)
after 10 days the prolactin content of the pituitary
gland was lowered, after 20 - 45 days it was increased,

Card 1/2

- 67 -

USSR/Human and Animal Physiology- Internal Secretion.
Hypophysis.

T

Abs Jour : Ref Zhur Biol., No 3, 1959, 12933

and after 90 days it was within normal ranges.

Card 2/2

VYAZOVSKAYA, R.D.; RYABUSHKO, Ye.O.; SHEYNERMAN, M.D. [deceased]

Effect of the extract of raspberry leaves on the gonads and hypophysis.
Trudy Ukr. nauch.-issl. inst. eksper. endok. 19:341-352 '64.

(MIRA 18:7)

1. Iz otdela gistoziologii Ukrainskogo instituta eksperimental'noy
endokrinologii.

RYABUSHKO, Ye.O.

Significance of sympathetic impulses in prolaction formation in
the pituitary [with summary in English]. Probl.endok.i gorm. 3
no.5:82-88 S-0 '57. (MIRA 11:1)

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